

AMENDMENTS TO THE CLAIMS

Please make the following amendments to the claims:

1-69. (Cancelled)

70. (Previously Presented) A communication device, comprising:

a receiver for developing a received signal; and

a digital signal processor (DSP), where said DSP comprises:

layer one logic configured to perform OSI layer one processing; and

frame check sequence logic configured to compute a frame check sequence

(FCS) on each frame of said received signal, wherein the layer one logic has access to said frame check sequence.

71. (Previously Presented) The apparatus as defined in claim 70, further comprising means for saving at least one parameter of an adaptive device located within said receiver, and calculated by said DSP, if said frame check sequence indicates that said received signal is error free.

72. (Previously Presented) The apparatus as defined in claim 70, further comprising means for using existing parameters of an adaptive device located within said receiver if said frame check sequence indicates that said received signal contains errors.

73. (Previously Presented) The apparatus as defined in claim 70, wherein said frame check sequence is used to calculate at least one parameter of an adaptive device chosen from the group consisting of an equalizer, echo-canceller, adapted gain device, and timing loop.

74. (Previously Presented) The apparatus as defined in claim 70, wherein said frame check sequence is used to adapt a receive margin level based on said received signal.

75-79. (Cancelled)

80. (Previously Presented) The device as defined in claim 70, wherein said device operates in a multipoint environment.

81. (Previously Presented) The device as defined in claim 70, wherein said device operates in a half duplex environment.

82. (Previously Presented) The device as defined in claim 70, wherein said device operates in a full duplex environment.

83. (Previously Presented) The device as defined in claim 70, wherein said device operates in an asymmetrical duplex environment.

84-102. (Cancelled)